

Application No.: 10/811,296

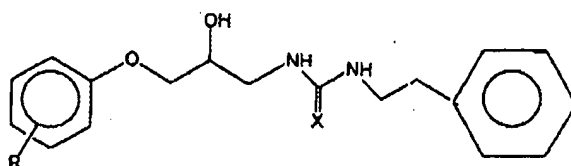
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This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 1. (Original) N-aryloxypropanoly-N'-phenethyl urea of general formula 3 wherein R is selected from the group consisting of H, 2, 3 or 4-trifluoromethyl, 2, 3, or 4-chloro, 2, 3, or 4-bromo, 4-acetyl, 4-propionyl, 4-acetamido, 2,3 or 4 methoxy, 4 nitrile, 2,3 or 4-methyl and 4-formyl and X is S or O.



Formula 3

2 2. (Original) A compound of formula 3 as claimed in claim 1 selected from the group consisting of:

- 3a. N-[2-hydroxy-3-(4-trifluoromethylphenoxy)propyl]-N'-2-phenethyl-urea.
- 3b. N-[2-hydroxy-3-phenoxypropyl]-N'-2-phenethyl-urea
- 3c. N-[2-hydroxy-3-(3-trifluoromethylphenoxy)propyl]-N'-2-phenethyl-urea
- 3d. N-[3-(4-chlorophenoxy)-2-hydroxypropyl]-N'-2-phenethyl-urea
- 3e. N-[3-(4-bromophenoxy)-2-hydroxypropyl]-N'-2-phenethyl-urea
- 3f. N-[3-(4-acetylphenoxy)-2-hydroxypropyl]-N'-2-phenethyl-urea
- 3g. N-[2-hydroxy-3-(4-propionylphenoxy)propyl]-N'-2-phenethyl-urea
- 3h. N-[3-(4-acetamidophenoxy)-2-hydroxypropyl]-N'-2-phenethyl-urea

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3i. N-[2-hydroxy-3-(2-methoxyphenoxy)propyl]-N'-2-phenethyl-urea

3j. N-[2-hydroxy-3-(4-methoxyphenoxy)propyl]-N'-2-phenethyl-urea

3k. N-[3-(4-cyanophenoxy)-2-hydroxypropyl]-N'-2-phenethyl-urea

3l. N-[2-hydroxy-3-(2-methylphenoxy)propyl]-N'-2-phenethyl-urea

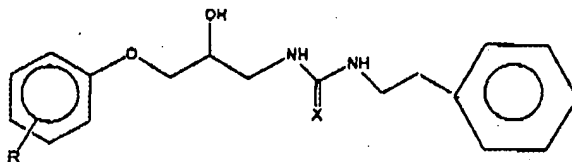
3m. N-[2-hydroxy-3-(3-methoxyphenoxy)propyl]-N'-2-phenethyl-urea

3n. N-[2-hydroxy-3-(4-trifluoromethylphenoxy)propyl]-N'-2-phenethyl-thiourea

3o. N-[2-hydroxy-3-(4-propionylphenoxy)propyl]-N'-2-phenethyl-thiourea

3p. N-[2-hydroxy-3-(4-methoxyphenoxy)propyl]-N'-2-phenethyl-thiourea

3. (Original) A process for the preparation of N-aryloxypropanolyl-N'-phenethyl urea derivatives of the formula 3



Formula 3

wherein X is S or O and R is selected from the group consisting of H, 2, 3 or 4-trifluoromethyl, 2,3, or 4-chloro, 2, 3, or 4-bromo, 4-acetyl, 4-propionyl, 4-acetamido, 2,3 or 4 methoxy, 4 nitrile, 2,3 or 4-methyl and 4-formyl,

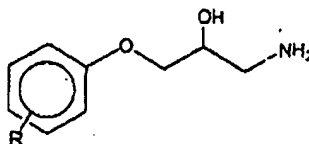
the process comprising reacting a substituted phenolic compound with epichlorohydrin in the presence of alkali carbonate to obtain the corresponding phenoxy epoxy propane which is then reacted with ammonium hydroxide to obtain aminoalcohol of formula 1

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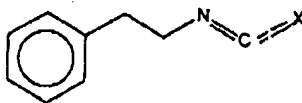
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Formula 1

wherein R is given above, which is then reacted with a cyanate compound of formula 2 wherein is oxygen or sulphur



Formula 2

to obtain the compound of formula 3.

4. (Previously presented) The process as claimed in claim 3 wherein the alkali carbonate is selected from K_2CO_3 and Na_2CO_3 .

5. (Previously presented) The process as claimed in claim 3 wherein the reaction between compound of formula 1 and compound of formula 2 is carried out in an aprotic solvent selected from the group consisting of CH_3CN , $CHCl_3$, CH_2Cl_2 , THF and 1,2-Dichloroethane.

6. (Previously presented) The process as claimed in claim 3 wherein the reaction between compound of formula 1 and compound of formula 2 is carried out at a temperature in the range of $15-50^\circ C$ for a period ranging between 5-18 hrs.

7. (Previously presented) The process as claimed in claim 3 wherein the reaction between the compound of formula 1 and compound of formula 2 is carried out in equimolar proportions of compound 1 and compound 2.

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8 8. (Currently amended) A pharmaceutical composition comprising a compound of formula 3 of claim 1 ~~claim 2~~ with one or more conventional additives.

9 9. (Currently amended) A method for the treatment of obesity comprising administering to a subject suffering from obesity, a pharmaceutically effective amount of a compound of formula 3 of claim 1 ~~claim 2~~.

10 10. (Previously presented) The method as claimed in claim 9 wherein the compound of formula 3 is administered in the form of a pharmaceutical composition of compound of formula 3 with pharmaceutically acceptable additives.

11 11. (Previously presented) The method as claimed in claim 9 wherein the compound of formula 3 is administered alone or with one or more pharmaceutically acceptable excipients.

12
13 12. (Currently amended) The method as claimed in claim ~~16~~ 11 wherein N-[2-hydroxy-3-(4-trifluoromethylphenoxy)propyl]-N'-2-phenethylurea (3a) shows same activity as Sibutramine.

14
13. (Currently amended) The method as claimed in claim ~~16~~ 11 wherein (N-[2-hydroxy-3-(4-trifluoromethylphenoxy)propyl]-N'-2-phenethyl-urea, showed a decrease of 41.42% in food intake as compared to food intake in the control group.

15
14. (Currently amended) The method as claimed in claim ~~16~~ 11 wherein (N-[2-hydroxy-3-(4-methoxyphenoxy)propyl]-N'-2-phenethyl-urea (compound 3j), showed decrease of 3.82% in food intake as compared to food intake in the control group.

16
15. (Currently amended) The method as claimed in claim ~~16~~ 11 wherein (N-[2-hydroxy-3-(4-trifluoromethylphenoxy)propyl]-N'-2-phenethyl-thiourea (compound 3n), showed decrease of 28.4% in food intake as compared to food intake in the control group.

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16. (New) A method for the treatment of obesity comprising administering to a subject suffering from obesity, a pharmaceutically effective amount of a compound of claim 2.

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